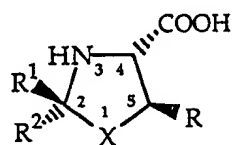


AMENDMENTS TO THE CLAIMS:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) ~~A cyclosporin derivative in which the peptide chain comprises at least one residue of a non-natural~~ A compound which is obtained by replacing at least one amino acid of a naturally-occurring cyclosporin with an amino acid of formula I:



in which

X denotes an oxygen or a sulfur;

R denotes a hydrogen, or an alkyl group having between 1 and 6 carbon atoms;

~~R₁ R¹ and R₂ R²~~ denote, independently of each other, a hydrogen, an alkyl group, having between 1 and 6 carbons, which may be straight-chain or branched-chain, substituted or non-substituted, an alkylene group having between 1 and 6 carbon atoms, a substituted or non-substituted aryl group, a substituted or non-substituted heteroaryl group, ~~a residue of a water-soluble polymer, possibly bound to a spacer group~~ or R¹ and R² each independently denotes a residue of a water-soluble polymer, wherein said polymer is optionally bonded to the carbon bearing R¹ and R² via a spacer group.

2. (Currently Amended) The derivative compound according to Claim 1, wherein in the amino acid of formula I, R denotes a hydrogen or a methyl group.

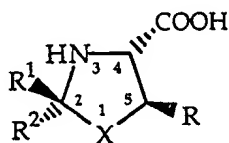
3. (Currently Amended) The derivative compound according to Claim 1[, wherein it] which is derived from a cyclosporin in which the peptide chain contains at least one amino acid, chosen from serine, threonine and cysteine, in D or L configuration.

4. (Currently Amended) The derivative compound according to Claim 3, wherein at least one of the amino acids serine, threonine or cysteine of the cyclosporin is replaced by the amino acid of formula I.

5. (Withdrawn).

6. (Currently Amended) The derivative compound according to Claim 2[, wherein it] which is derived from a cyclosporin in which the peptide chain contains at least one amino acid, chosen from serine, threonine and cysteine, in D or L configuration.

7. (New) A cyclosporin derivative in which the peptide chain comprises at least one residue of an amino acid of formula I:



(I)

in which

X denotes an oxygen or a sulfur;

R denotes a hydrogen, or an alkyl group having between 1 and 6 carbon atoms;

R^1 and R^2 denote, independently of each other, a hydrogen, an alkyl group, having between 1 and 6 carbons, which may be straight-chain or branched-chain, substituted or non-substituted, an alkylene group having between 1 and 6 carbon atoms, a substituted or non-substituted aryl group, a substituted or non-substituted heteroaryl group, or R^1 and R^2 each independently denotes a residue of a water-soluble polymer, wherein said polymer is optionally bonded to the carbon bearing R^1 and R^2 via a spacer group,

and which cyclosporin derivative is effective to inhibit cis-trans isomerase activity of cyclophilin A.

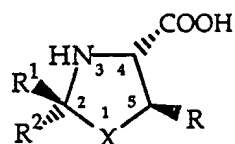
8. (New) The derivative according to Claim 7, wherein in the amino acid of formula I, R denotes a hydrogen or a methyl group.

9. (New) The derivative according to Claim 7 which is derived from a cyclosporin in which the peptide chain contains at least one amino acid, chosen from serine, threonine and cysteine, in D or L configuration.

10. (New) The derivative according to Claim 9, wherein at least one of the amino acids serine, threonine or cysteine of the cyclosporin is replaced by the amino acid of formula I.

11. (New) The derivative according to Claim 8 which is derived from a cyclosporin in which the peptide chain contains at least one amino acid, chosen from serine, threonine and cysteine, in D or L configuration.

12. (New) A cyclic undecapeptide cyclosporin derivative in which the peptide chain comprises at least one residue of an amino acid of formula I:



(I)

in which

X denotes an oxygen or a sulfur;

R denotes a hydrogen, or an alkyl group having between 1 and 6 carbon atoms;

R¹ and R² denote, independently of each other, a hydrogen, an alkyl group, having between 1 and 6 carbons, which may be straight-chain or branched-chain, substituted or non-substituted, an alkylene group having between 1 and 6 carbon atoms, a substituted or non-substituted aryl group, a substituted or non-substituted heteroaryl group, or R¹ and R² each independently denotes a residue of a water-soluble polymer, wherein said polymer is optionally bonded to the carbon bearing R¹ and R² via a spacer group.

13. (New) The derivative according to Claim 12, wherein in the amino acid of formula I, R denotes a hydrogen or a methyl group.

14. (New) The derivative according to Claim 12 which is derived from a cyclosporin in which the peptide chain contains at least one amino acid, chosen from serine, threonine and cysteine, in D or L configuration.

15. (New) The derivative according to Claim 14, wherein at least one of the amino acids serine, threonine or cysteine of the cyclosporin is replaced by the amino acid of formula I.

16. (New) The derivative according to Claim 13 which is derived from a cyclosporin in which the peptide chain contains at least one amino acid, chosen from serine, threonine and cysteine, in D or L configuration.